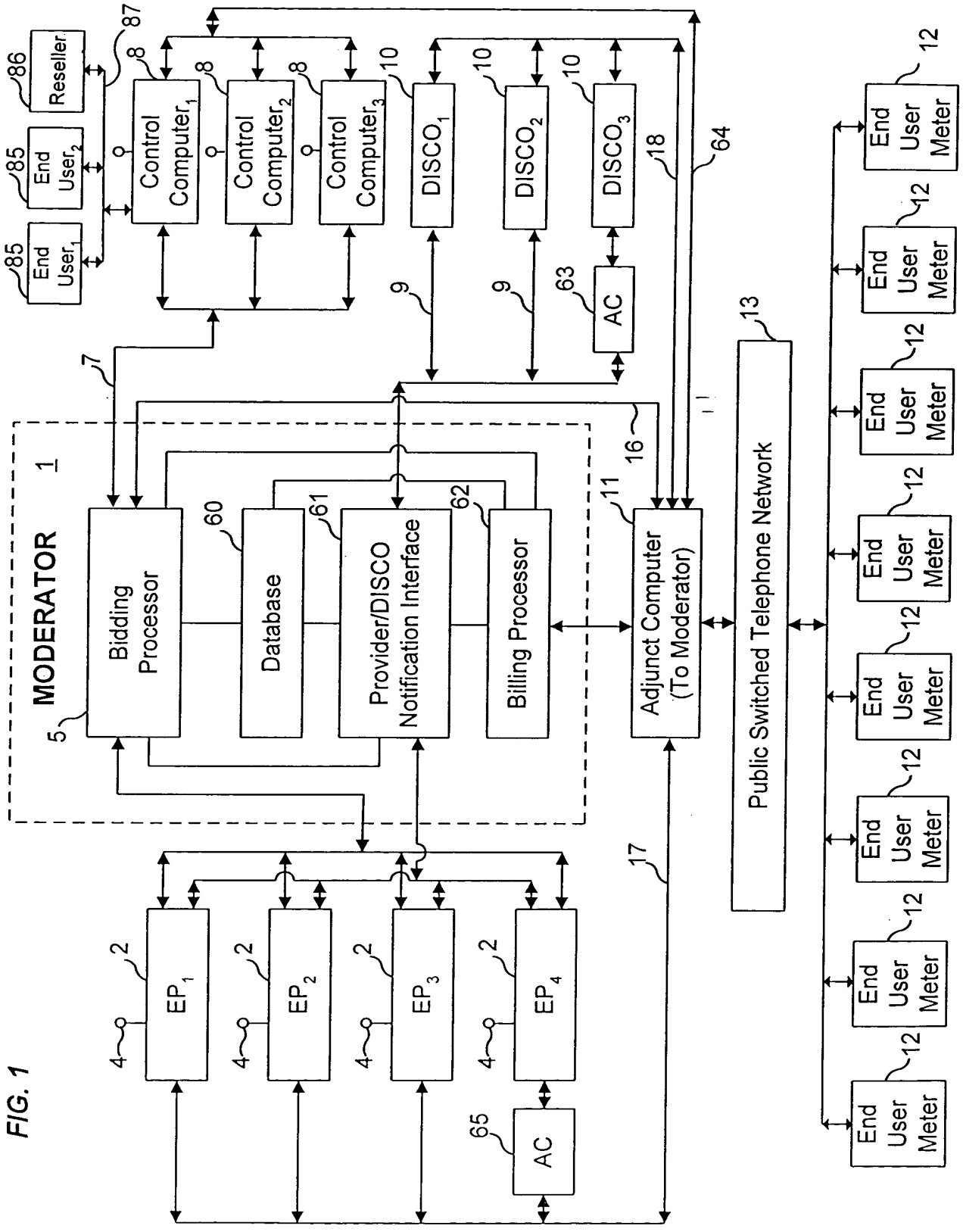
MODERATOR
1
Bidding Processor
Database
Provider/DISCO Notification Interface
Billing Processor
Adjunct Computer (To Moderator)
Public Switched Telephone Network
Reseller
End User2
End User1
Control Computer1
Control Computer2
Control Computer3
DISCO1
DISCO2
DISCO3
AC
EP1
EP2
EP3
EP4
AC
End User Meter

FIG. 1

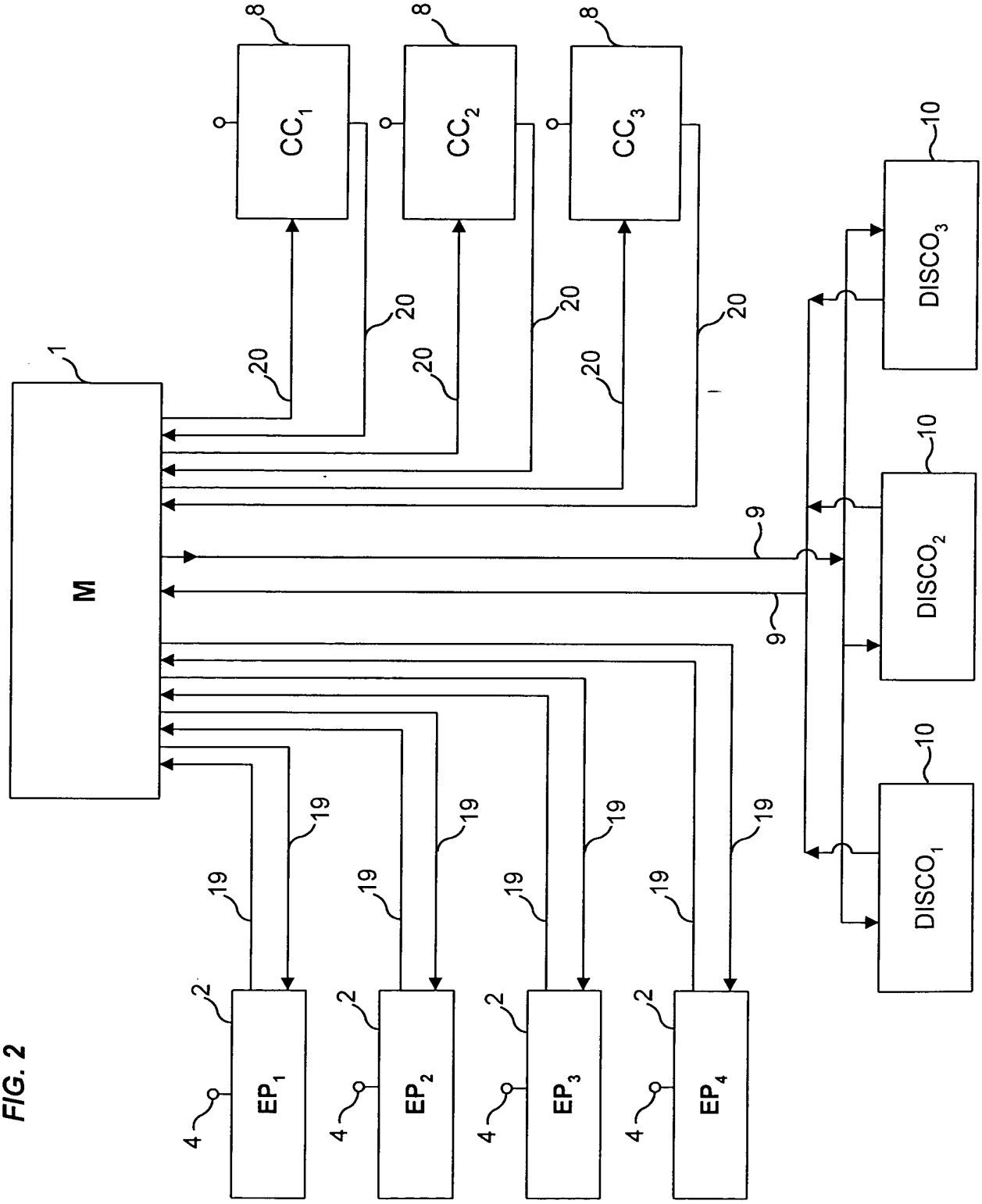
M
1
CC1
CC2
CC3
8
DISCO1
DISCO2
DISCO3
10
9
20
EP1
EP2
EP3
EP4
2
4
19

FIG. 2

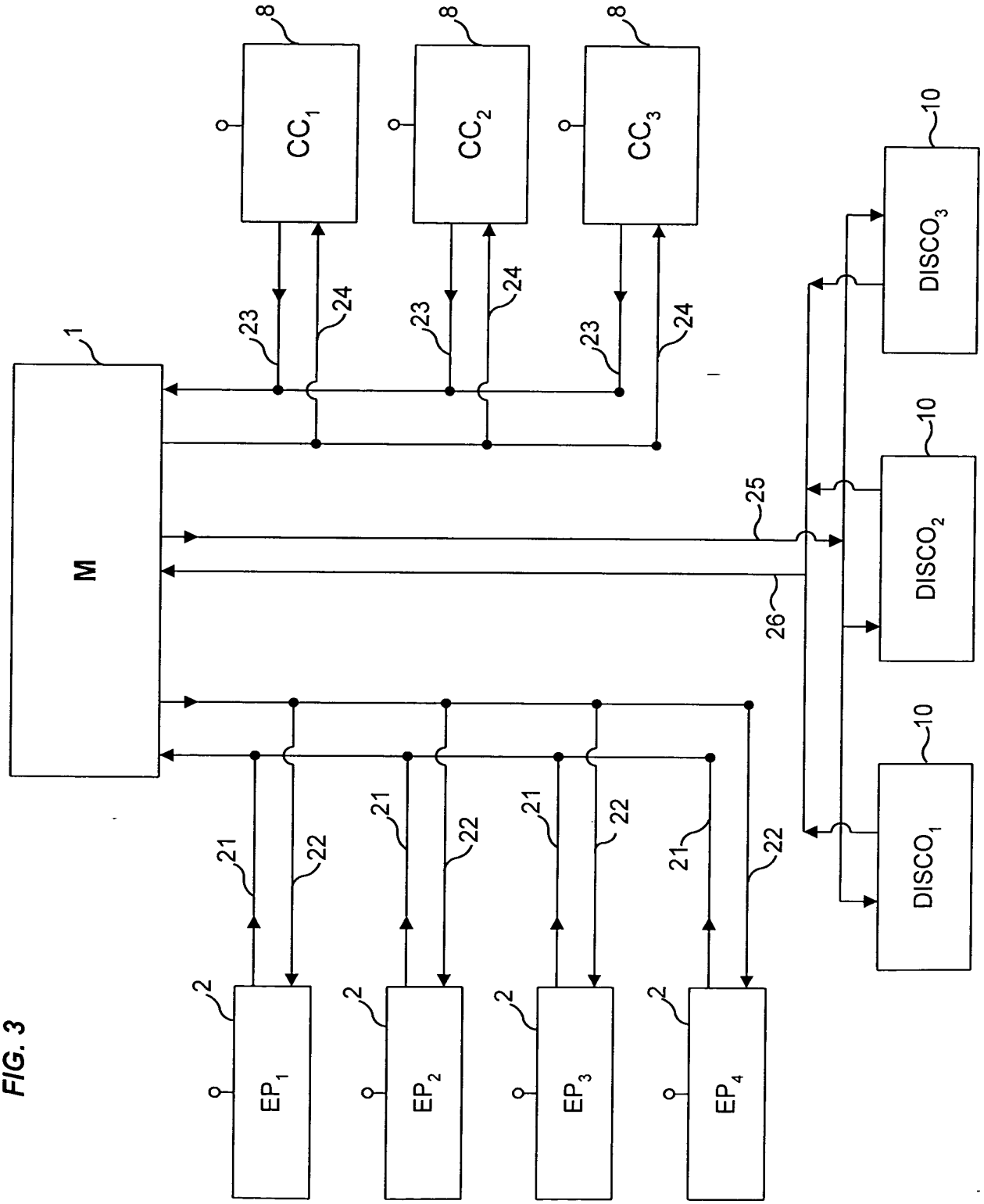
M
1
CC1
CC2
CC3
8
DISCO1
DISCO2
DISCO3
10
EP1
EP2
EP3
EP4
2
21
22
23
24
25
26

FIG. 3

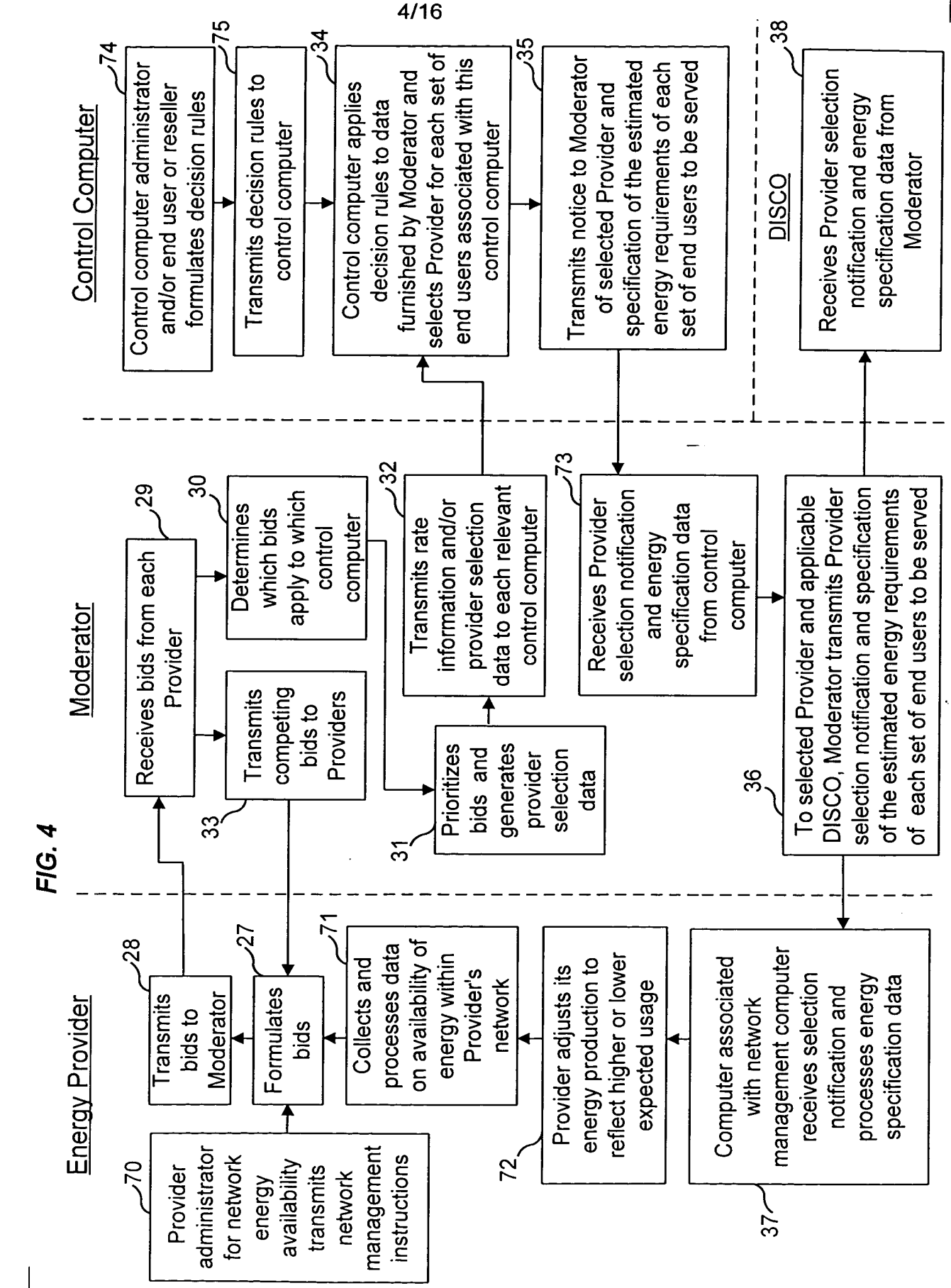
Control Computer
Moderator
DISCO
Energy Provider
74
Control computer administrator and/or end user or reseller formulates decision rules
75
Transmits decision rules to control computer
34
Control computer applies decision rules to data furnished by Moderator and selects Provider for each set of end users associated with this control computer
35
Transmits notice to Moderator of selected Provider and specification of the estimated energy requirements of each set of end users to be served
38
Receives Provider selection notification and energy specification data from Moderator
29
Receives bids from each Provider
30
Determines which bids apply to which control computer
32
Transmits rate information and/or provider selection data to each relevant control computer
73
Receives Provider selection notification and energy specification data from control computer
33
Transmits competing bids to Providers
31
Prioritizes bids and generates provider selection data
36
To selected Provider and applicable DISCO, Moderator transmits Provider selection notification and specification of the estimated energy requirements of each set of end users to be served
28
Transmits bids to Moderator
27
Formulates bids
71
Collects and processes data on availability of energy within Provider's network
70
Provider administrator for network energy availability transmits network management instructions
72
Provider adjusts its energy production to reflect higher or lower expected usage
37
Computer associated with network management computer receives selection notification and processes energy specification data

FIG. 4

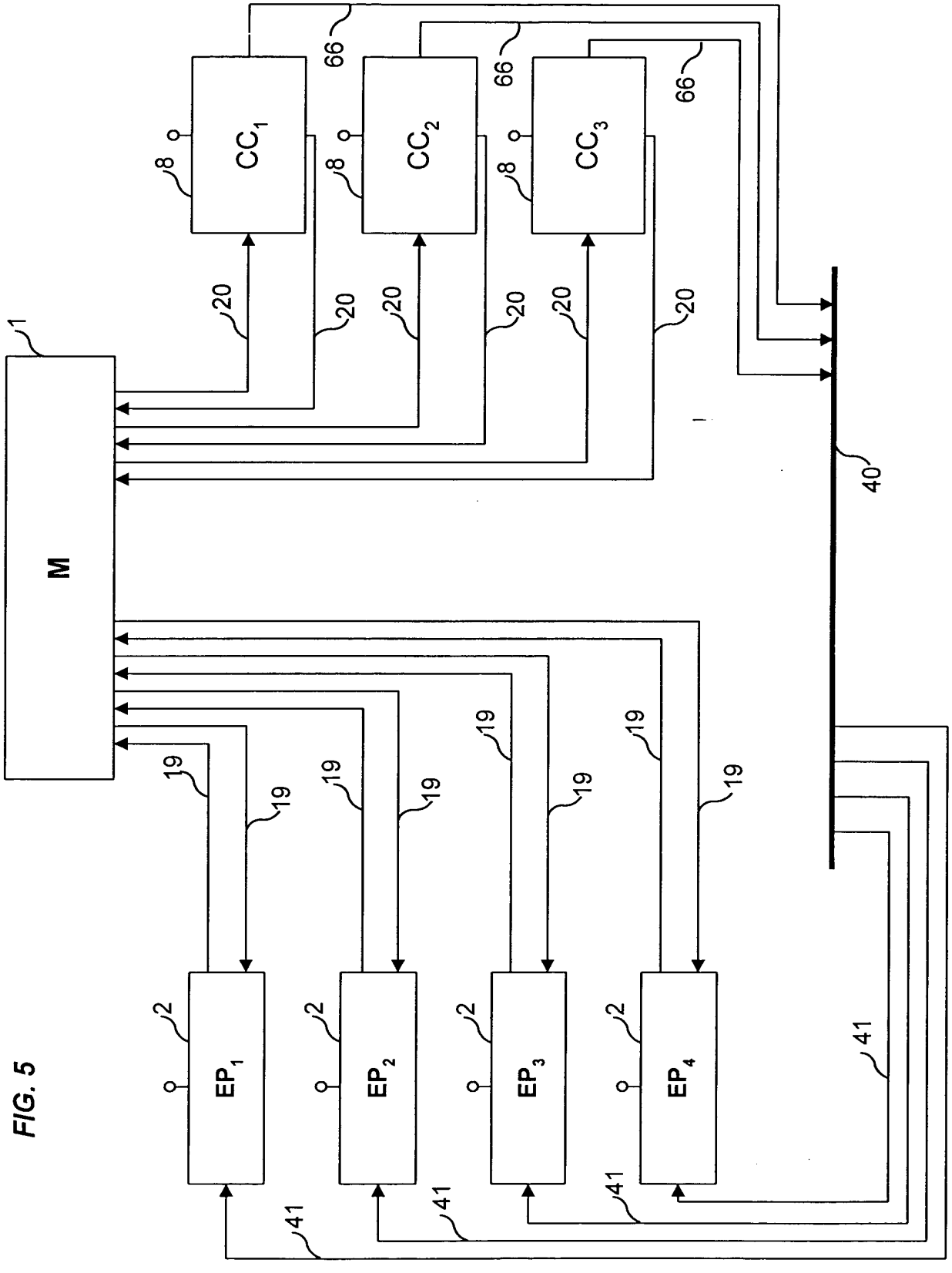

FIG. 5

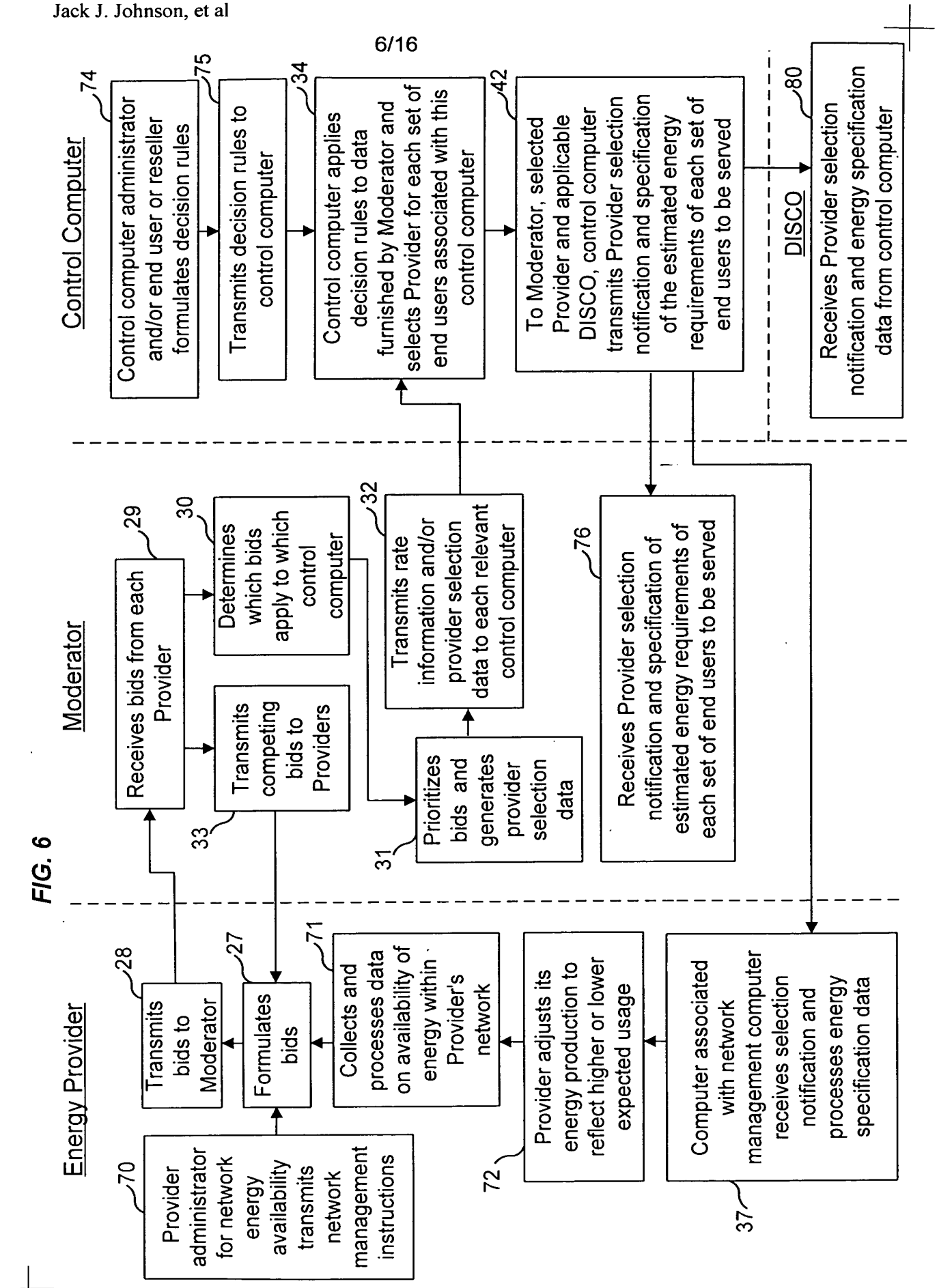
Control Computer
Moderator
Energy Provider
Control computer administrator and/or end user or reseller formulates decision rules
74
Transmits decision rules to control computer
75
Control computer applies decision rules to data furnished by Moderator and selects Provider for each set of end users associated with this control computer
34
To Moderator, selected Provider and applicable DISCO, control computer transmits Provider selection notification and specification of the estimated energy requirements of each set of end users to be served
42
DISCO
80
Receives Provider selection notification and energy specification data from control computer
Receives bids from each Provider
29
Determines which bids apply to which control computer
30
Transmits competing bids to Providers
33
Transmits rate information and/or provider selection data to each relevant control computer
32
Prioritizes bids and generates provider selection data
31
Receives Provider selection notification and specification of estimated energy requirements of each set of end users to be served
76
Provider administrator for network energy availability transmits network management instructions
70
Transmits bids to Moderator
28
Formulates bids
27
Collects and processes data on availability of energy within Provider's network
71
Provider adjusts its energy production to reflect higher or lower expected usage
72
Computer associated with network management computer receives selection notification and processes energy specification data
37

FIG. 6

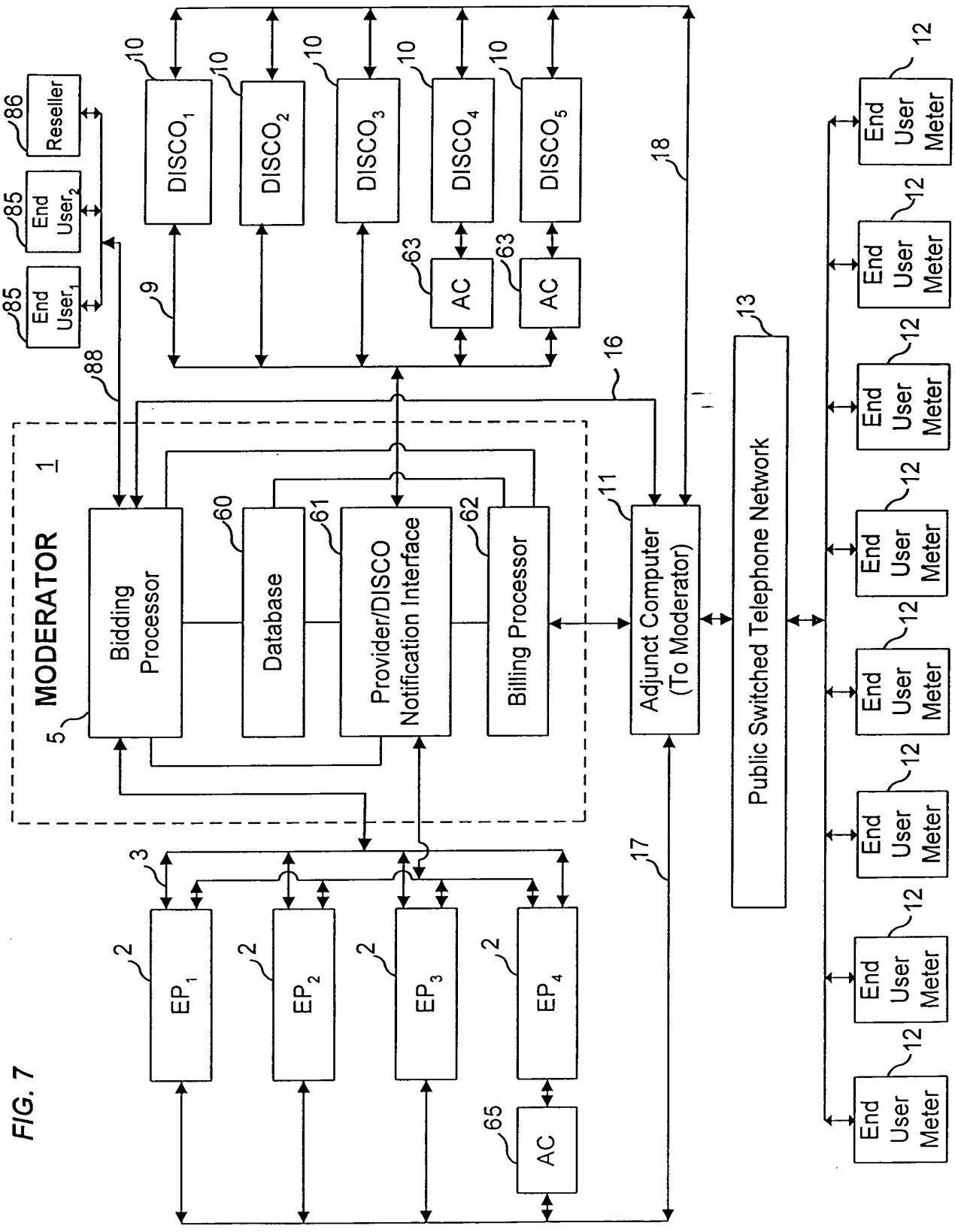
MODERATOR
1
5
Bidding Processor
60
Database
61
Provider/DISCO Notification Interface
62
Billing Processor
11
Adjunct Computer (To Moderator)
13
Public Switched Telephone Network
DISCO1
DISCO2
DISCO3
DISCO4
DISCO5
10
AC
63
9
16
18
88
Reseller
86
End User2
85
End User1
85
EP1
EP2
EP3
EP4
2
3
AC
65
17
End User Meter
12

FIG. 7

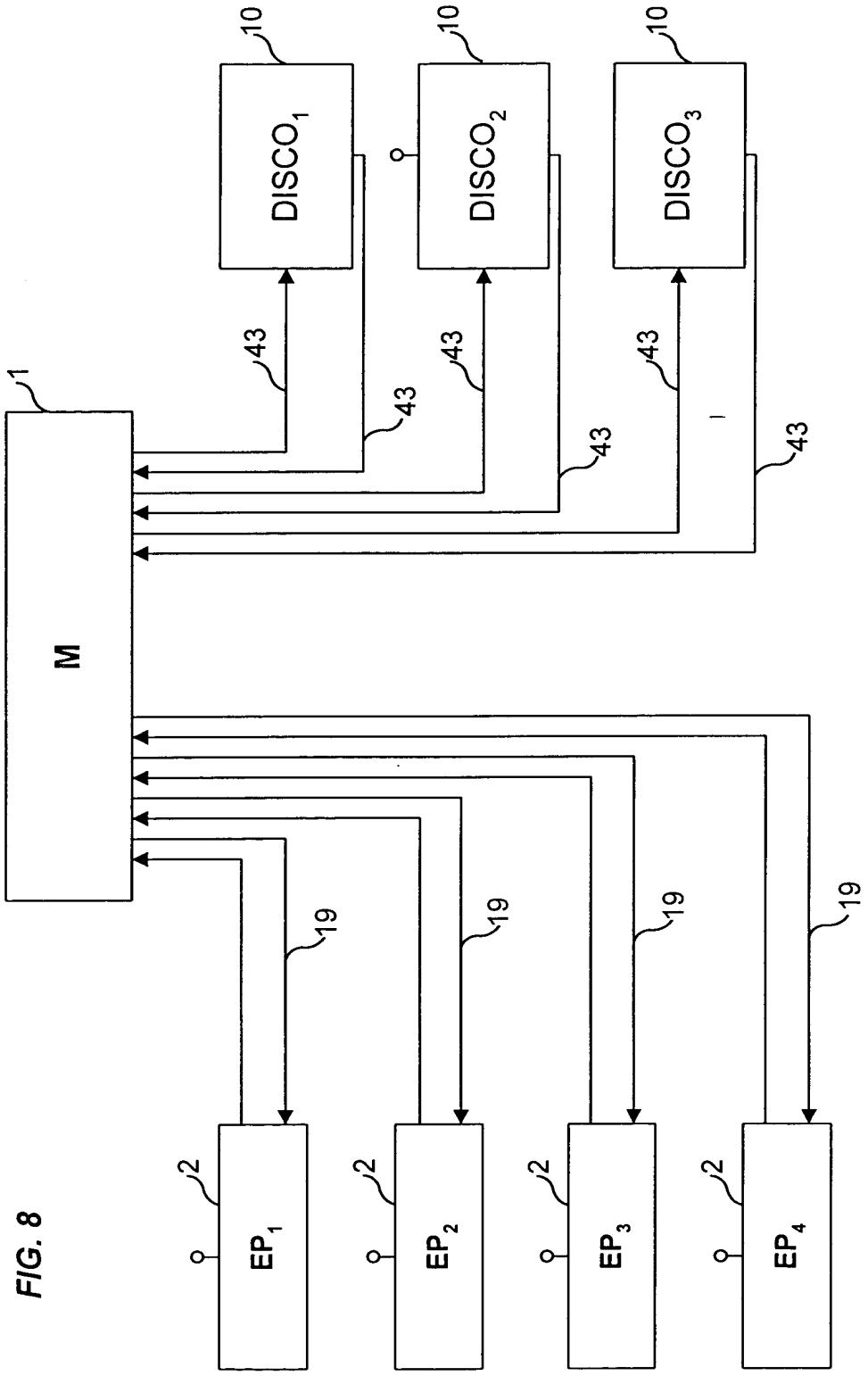

FIG. 8

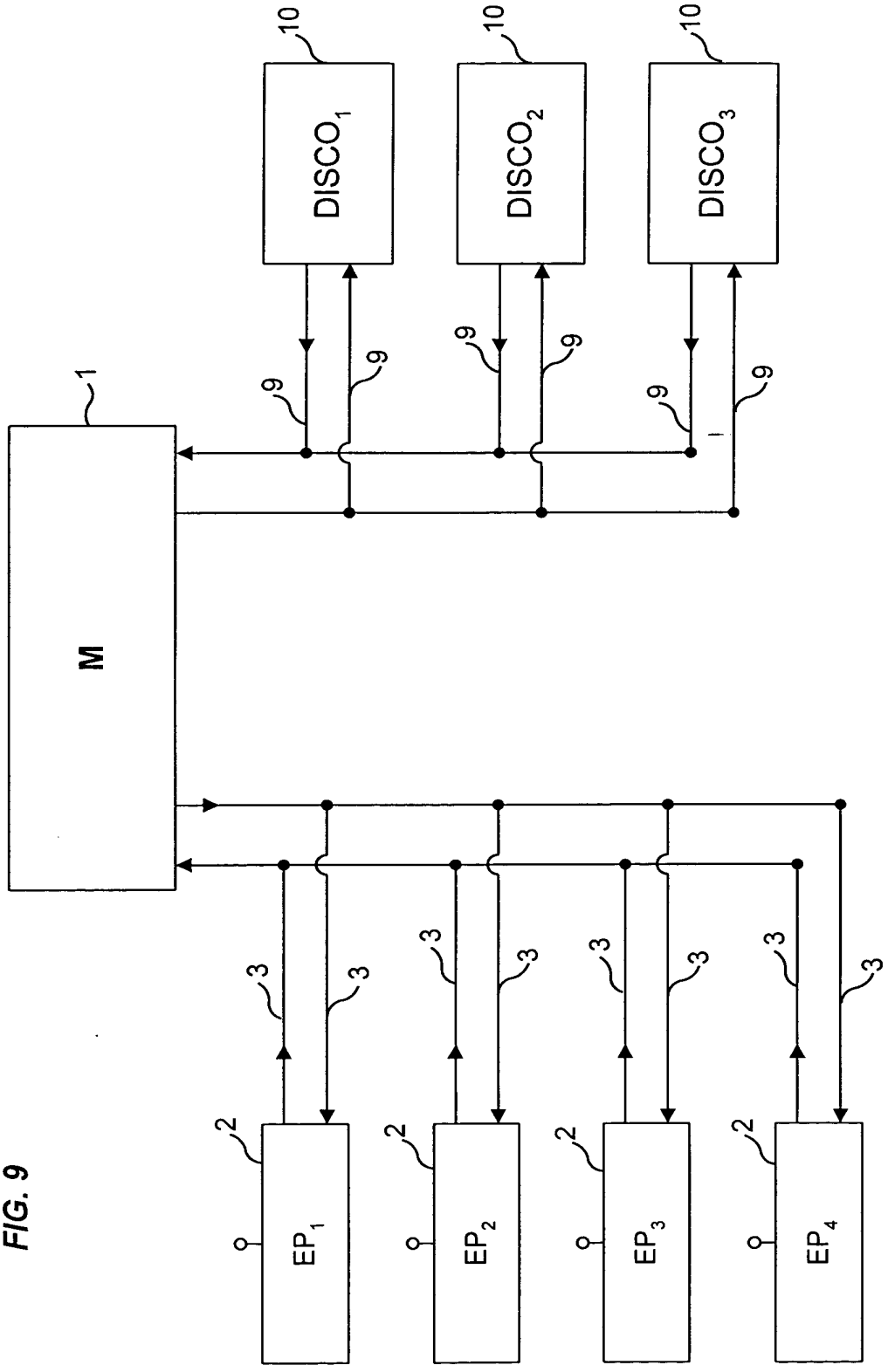
10
DISCO1
10
DISCO2
10
DISCO3
9
9
9
9
9
9
1
M
3
3
3
3
3
3
3
3
2
EP1
2
EP2
2
EP3
2
EP4

FIG. 9

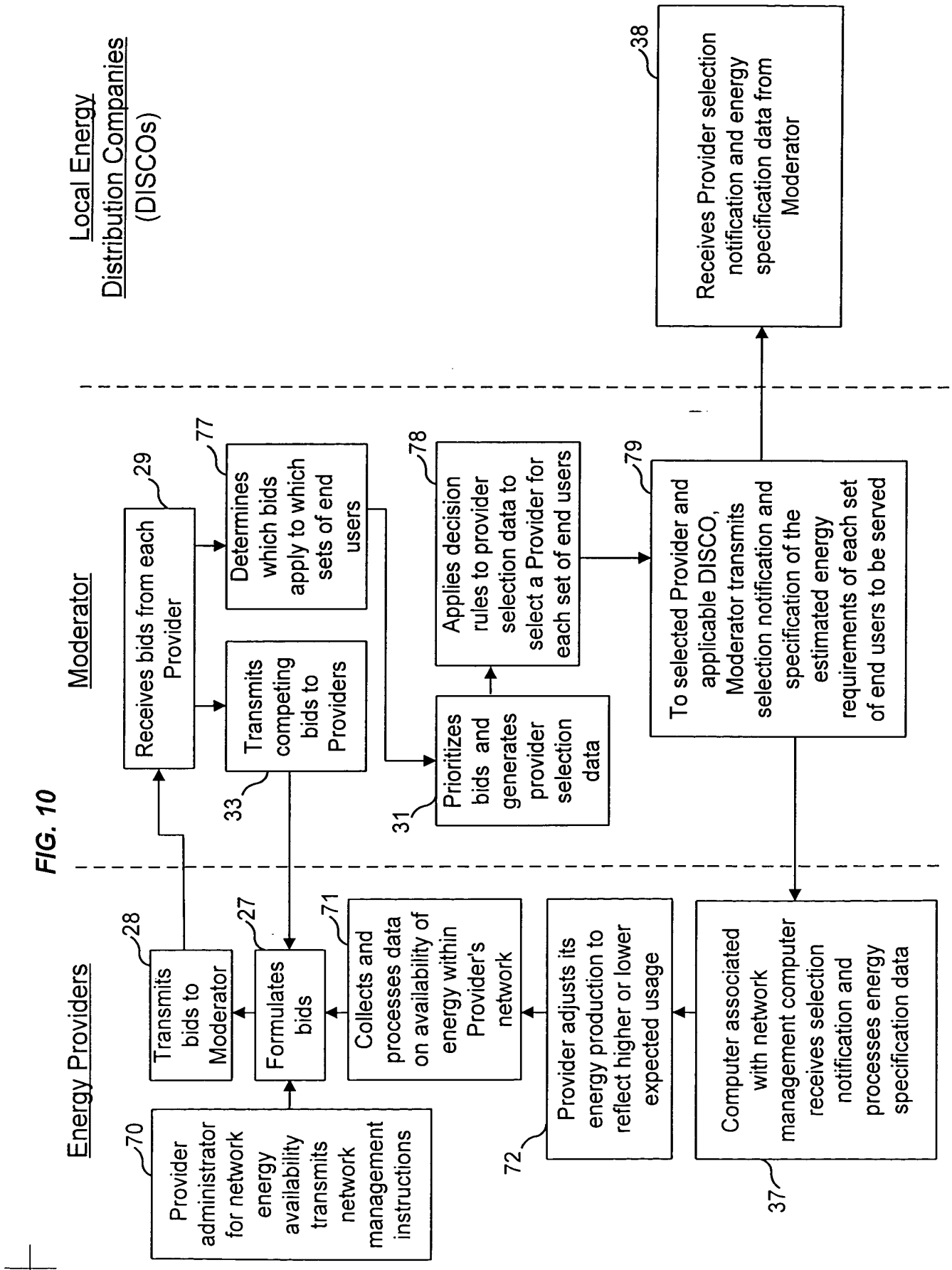
Local Energy Distribution Companies (DISCOs)
Moderator
Energy Providers
Receives bids from each Provider
29
Determines which bids apply to which sets of end users
77
Transmits competing bids to Providers
33
Prioritizes bids and generates provider selection data
31
Applies decision rules to provider selection data to select a Provider for each set of end users
78
To selected Provider and applicable DISCO, Moderator transmits selection notification and specification of the estimated energy requirements of each set of end users to be served
79
Receives Provider selection notification and energy specification data from Moderator
38
Transmits bids to Moderator
28
Formulates bids
27
Collects and processes data on availability of energy within Provider's network
71
Provider administrator for network energy availability transmits network management instructions
70
Provider adjusts its energy production to reflect higher or lower expected usage
72
Computer associated with network management computer receives selection notification and processes energy specification data
37

FIG. 10

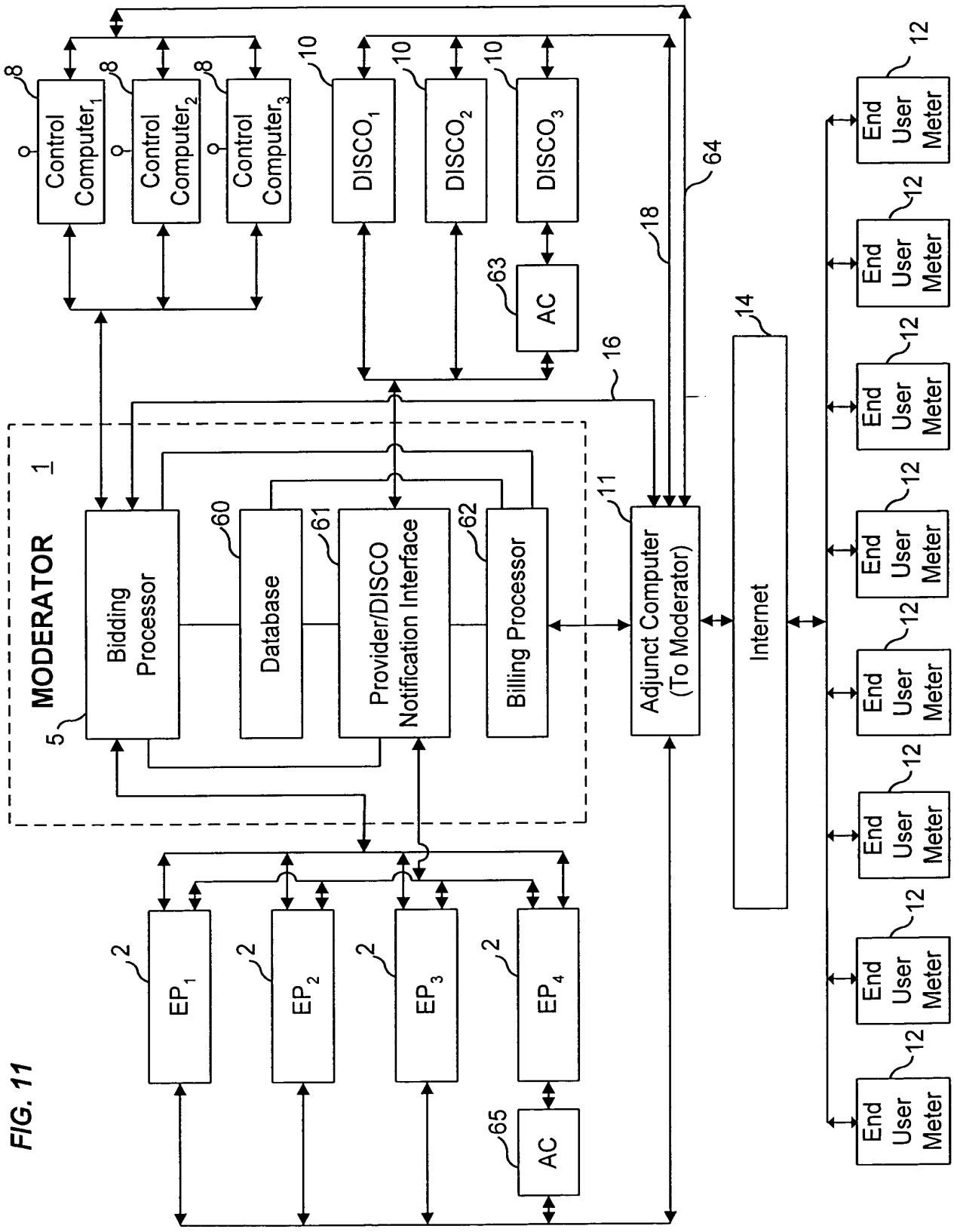
MODERATOR
1
Bidding Processor
5
Database
60
Provider/DISCO Notification Interface
61
Billing Processor
62
Adjunct Computer (To Moderator)
11
Internet
14
Control Computer1
Control Computer2
Control Computer3
8
DISCO1
DISCO2
DISCO3
10
AC
63
AC
65
18
64
16
EP1
EP2
EP3
EP4
2
End User Meter
12

FIG. 11

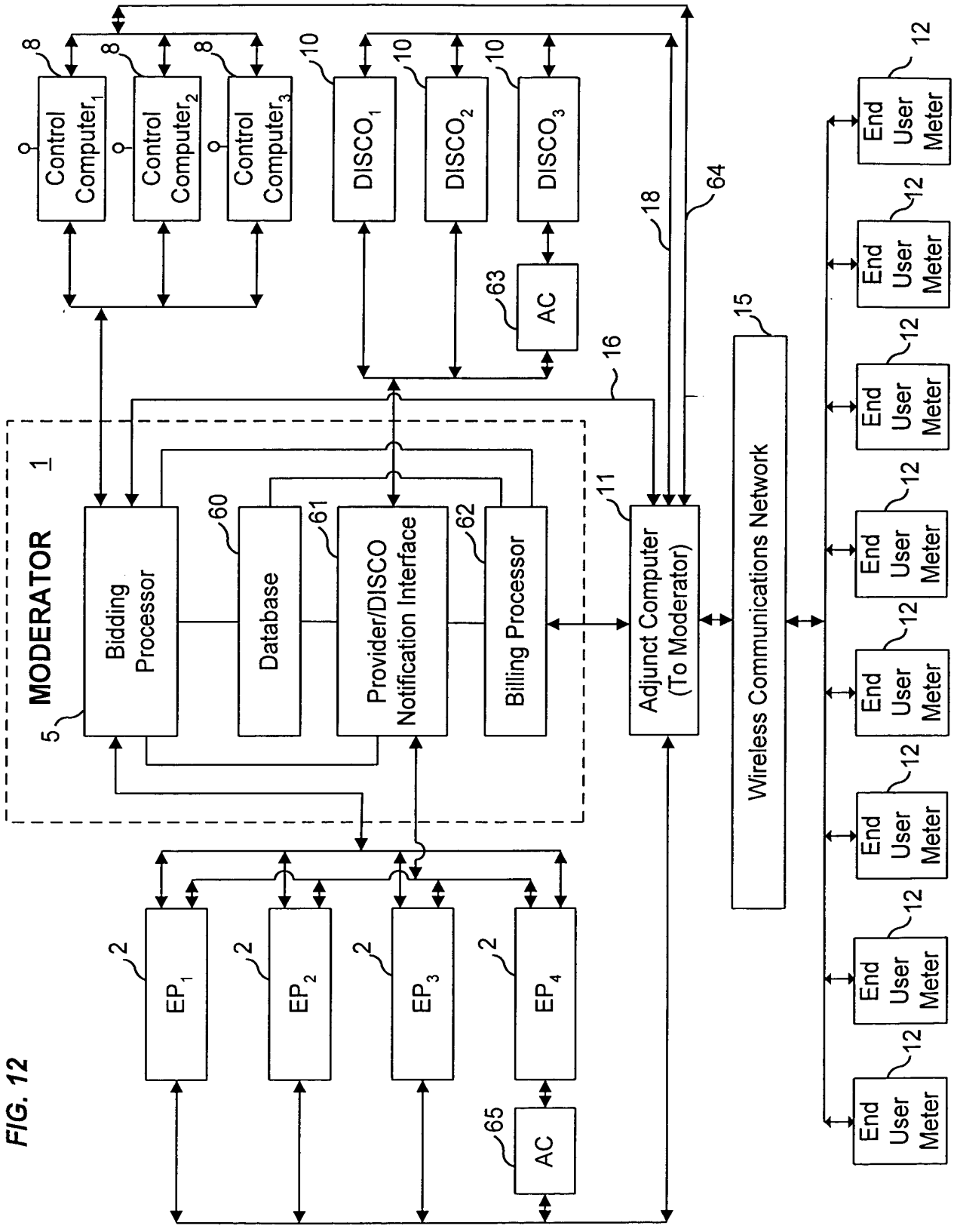
MODERATOR
1
Bidding Processor
5
Database
60
Provider/DISCO Notification Interface
61
Billing Processor
62
Adjunct Computer (To Moderator)
11
Wireless Communications Network
15
Control Computer1
Control Computer2
Control Computer3
8
DISCO1
DISCO2
DISCO3
10
AC
63
16
18
64
EP1
EP2
EP3
EP4
2
AC
65
End User Meter
12

FIG. 12

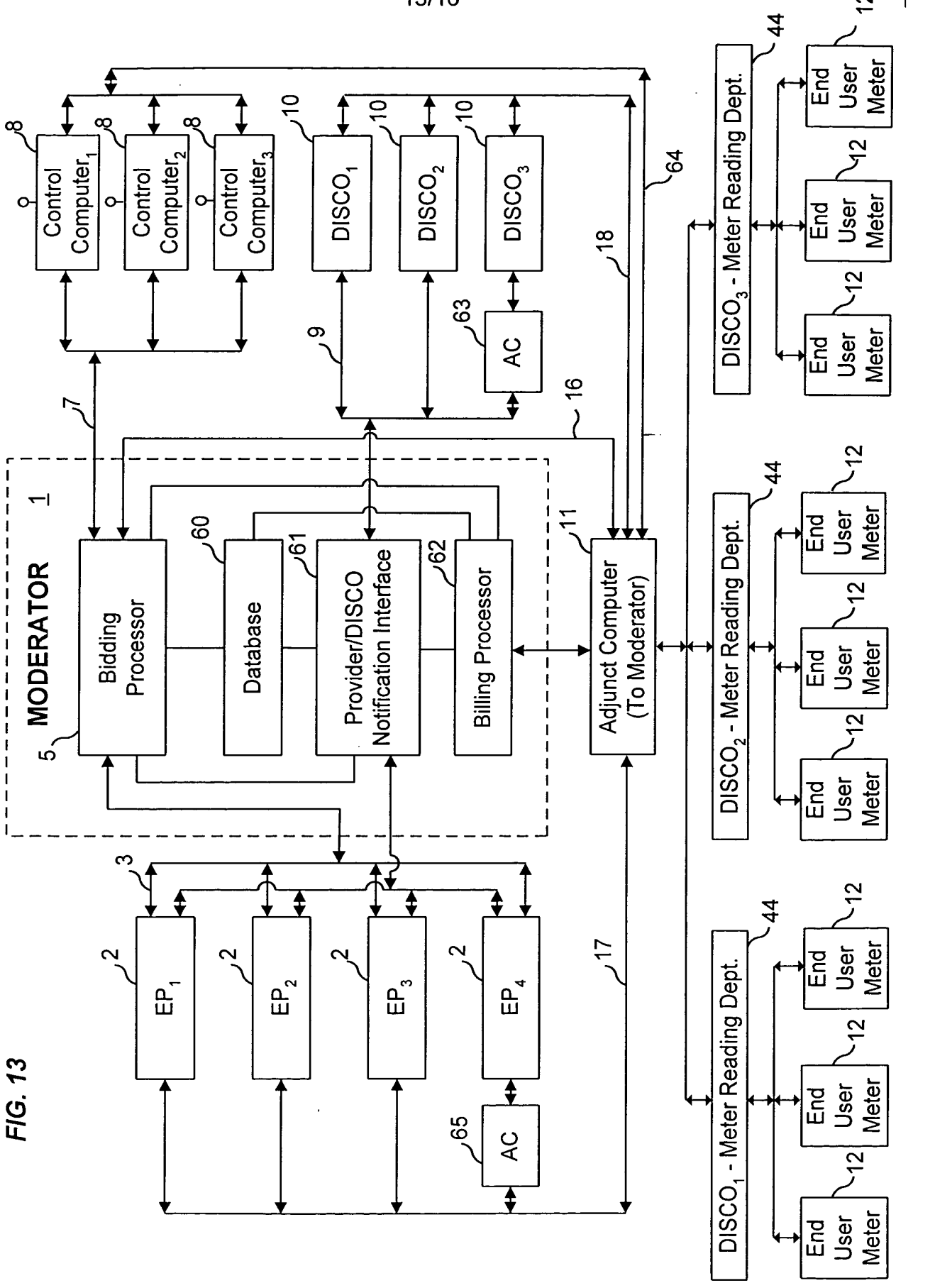
MODERATOR
1
Bidding Processor
5
Database
60
Provider/DISCO Notification Interface
61
Billing Processor
62
Adjunct Computer (To Moderator)
11
Control Computer1
Control Computer2
Control Computer3
8
DISCO1
DISCO2
DISCO3
10
AC
63
9
7
16
18
64
EP1
EP2
EP3
EP4
2
3
AC
65
17
DISCO3 - Meter Reading Dept.
DISCO2 - Meter Reading Dept.
DISCO1 - Meter Reading Dept.
44
End User Meter
12

FIG. 13

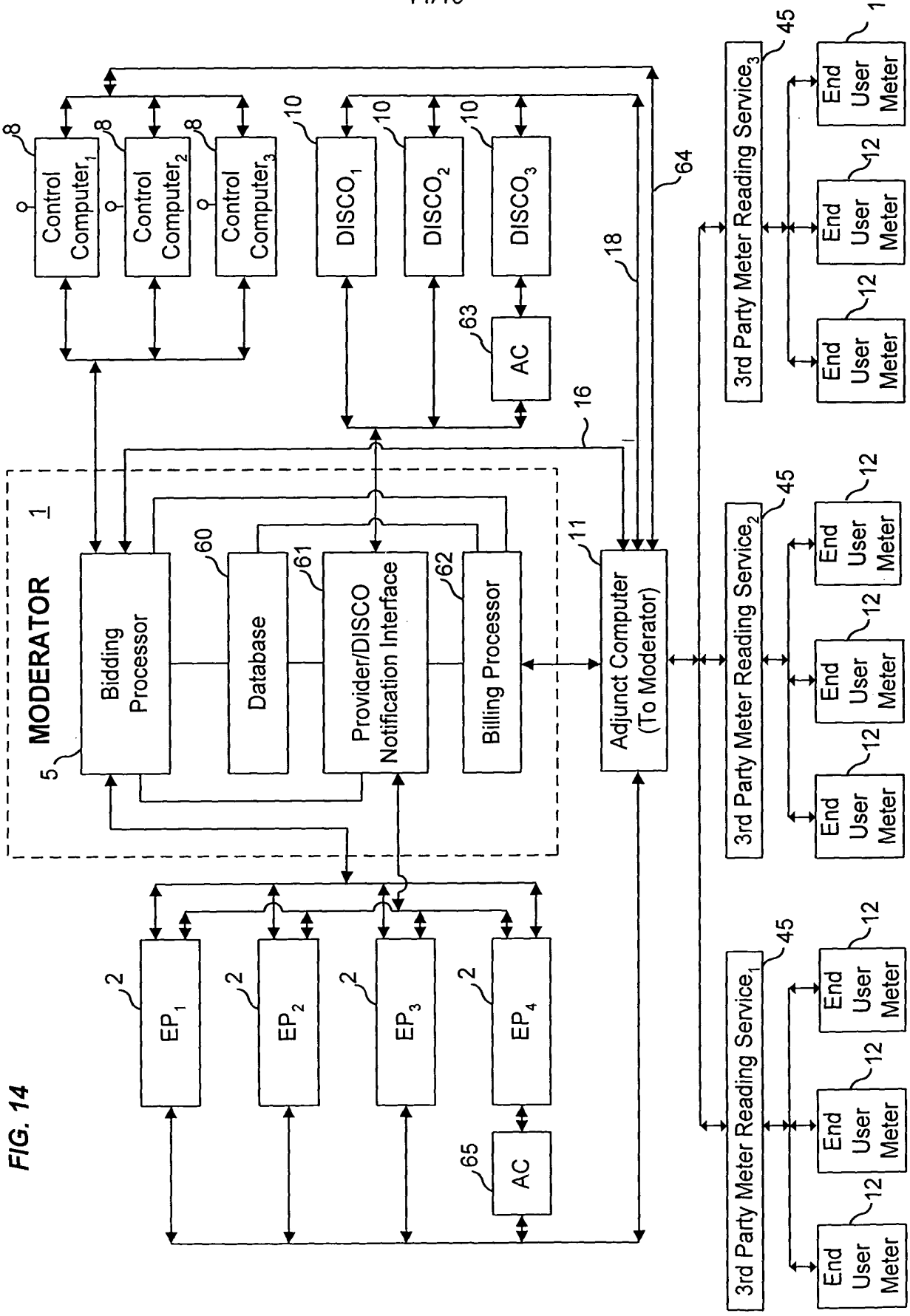
MODERATOR
1
5
Bidding Processor
60
Database
61
Provider/DISCO Notification Interface
62
Billing Processor
11
Adjunct Computer (To Moderator)
64
18
16
8
Control Computer1
Control Computer2
Control Computer3
10
DISCO1
DISCO2
DISCO3
63
AC
2
EP1
EP2
EP3
EP4
65
AC
45
3rd Party Meter Reading Service1
3rd Party Meter Reading Service2
3rd Party Meter Reading Service3
12
End User Meter

FIG. 14

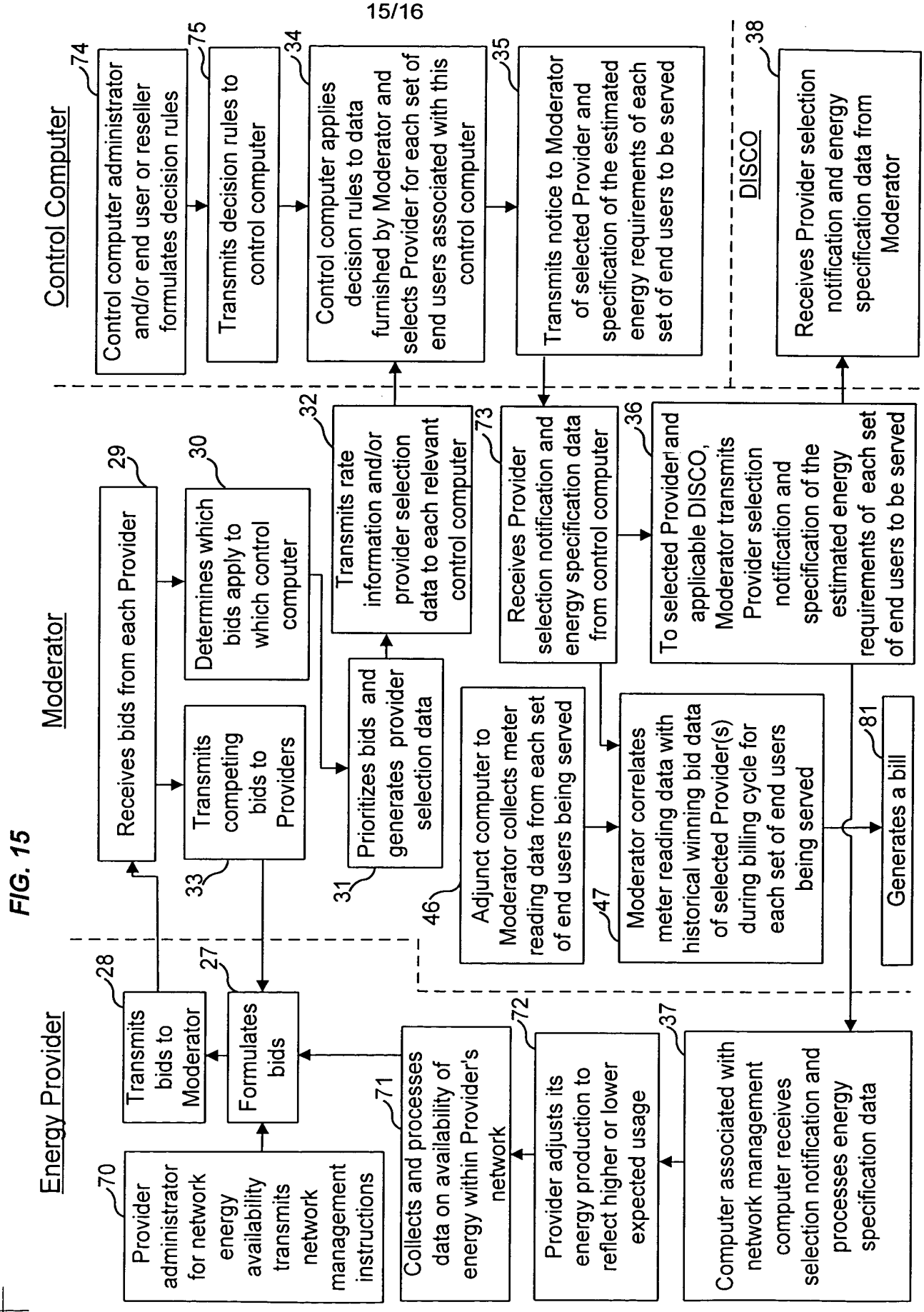
Control Computer
Moderator
DISCO
Energy Provider
74
Control computer administrator and/or end user or reseller formulates decision rules
75
Transmits decision rules to control computer
34
Control computer applies decision rules to data furnished by Moderator and selects Provider for each set of end users associated with this control computer
35
Transmits notice to Moderator of selected Provider and specification of the estimated energy requirements of each set of end users to be served
38
Receives Provider selection notification and energy specification data from Moderator
29
Receives bids from each Provider
30
Determines which bids apply to which control computer
32
Transmits rate information and/or provider selection data to each relevant control computer
73
Receives Provider selection notification and energy specification data from control computer
36
To selected Provider and applicable DISCO, Moderator transmits Provider selection notification and specification of the estimated energy requirements of each set of end users to be served
33
Transmits competing bids to Providers
31
Prioritizes bids and generates provider selection data
46
Adjunct computer to Moderator collects meter reading data from each set of end users being served
47
Moderator correlates meter reading data with historical winning bid data of selected Provider(s) during billing cycle for each set of end users being served
81
Generates a bill
28
Transmits bids to Moderator
27
Formulates bids
71
Collects and processes data on availability of energy within Provider's network
72
Provider adjusts its energy production to reflect higher or lower expected usage
37
Computer associated with network management computer receives selection notification and processes energy specification data
70
Provider administrator for network energy availability transmits network management instructions

FIG. 15

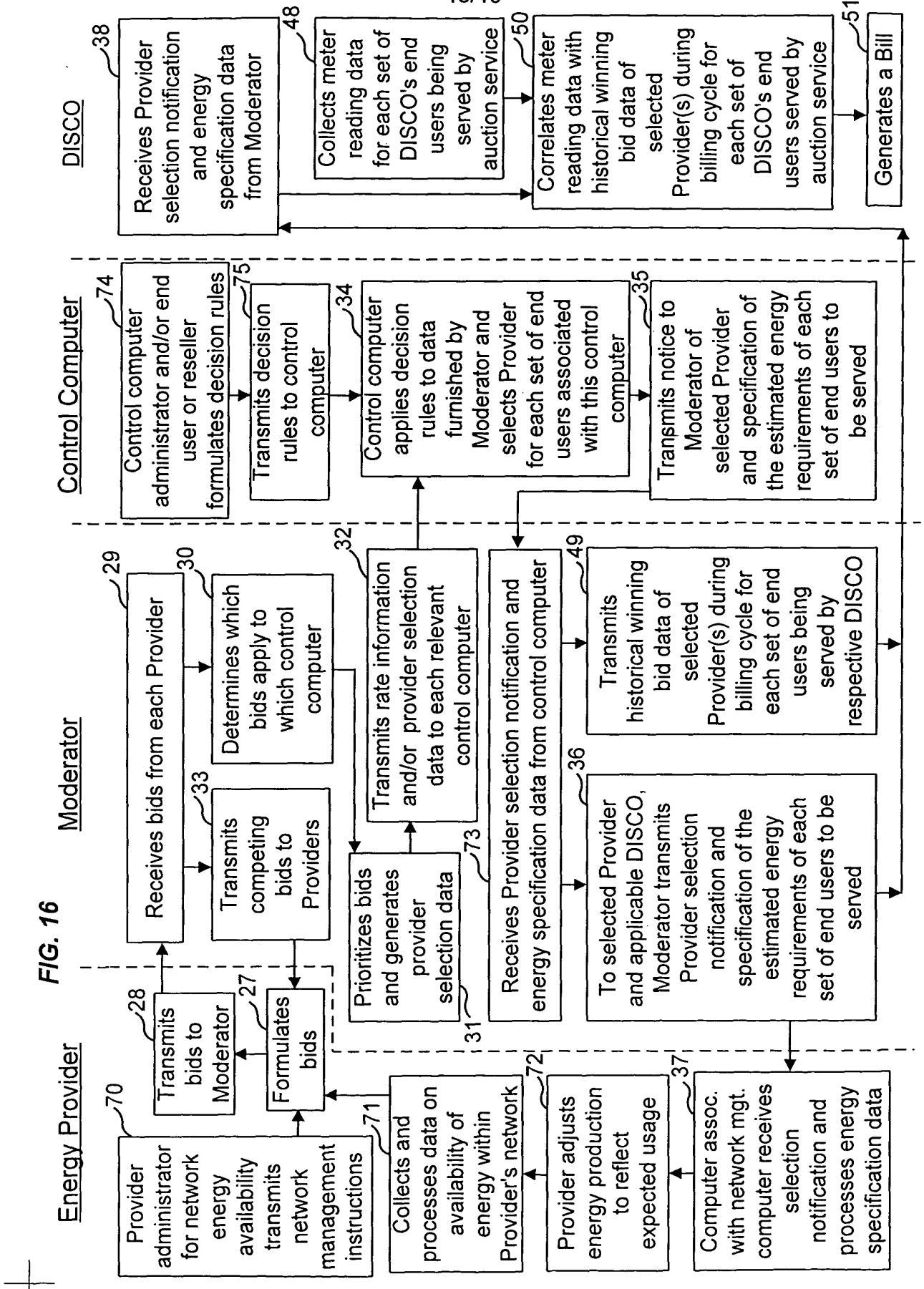
Energy Provider
Moderator
Control Computer
DISCO
Provider administrator for network energy availability transmits network management instructions
70
Transmits bids to Moderator
28
Formulates bids
27
Collects and processes data on availability of energy within Provider's network
71
Receives bids from each Provider
29
Transmits competing bids to Providers
33
Determines which bids apply to which control computer
30
Prioritizes bids and generates provider selection data
31
Transmits rate information and/or provider selection data to each relevant control computer
32
Control computer administrator and/or end user or reseller formulates decision rules
74
Transmits decision rules to control computer
75
Control computer applies decision rules to data furnished by Moderator and selects Provider for each set of end users associated with this control computer
34
Transmits notice to Moderator of selected Provider and specification of the estimated energy requirements of each set of end users to be served
35
Receives Provider selection notification and energy specification data from control computer
73
To selected Provider and applicable DISCO, Moderator transmits Provider selection notification and specification of the estimated energy requirements of each set of end users to be served
36
Transmits historical winning bid data of selected Provider(s) during billing cycle for each set of end users being served by respective DISCO
49
Provider adjusts energy production to reflect expected usage
72
Computer assoc. with network mgt. computer receives selection notification and processes energy specification data
37
Receives Provider selection notification and energy specification data from Moderator
38
Collects meter reading data for each set of DISCO's end users being served by auction service
48
Correlates meter reading data with historical winning bid data of selected Provider(s) during billing cycle for each set of DISCO's end users served by auction service
50
Generates a Bill
51

FIG. 16